

Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Yokohama Tire Corporation	Registration No.:	20123
Facility Name:	Yokohama Tire Corporation, Salem Plant	AIRS No.:	51-161-0026
Facility Location:	1500 Indiana Street Salem, Virginia 24153-0648	Permit No.:	VA-20123

July 1, 2003

Effective Date

June 30, 2008

Expiration Date

June 2, 2003

Robert G. Burnley

Signature Date

Director, Department of Environmental Quality

Table of Contents, 3 pages

Permit, 52 pages

Table of Contents

I. FACILITY INFORMATION.....	5
II. EMISSION UNITS.....	6
III. FUEL BURNING EQUIPMENT REQUIREMENTS	7
A. LIMITATIONS.....	7
B. MONITORING	9
C. RECORDKEEPING.....	9
D. TESTING.....	10
E. REPORTING	11
IV. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 100 (MIXING & STORAGE).....	13
A. LIMITATIONS.....	13
B. MONITORING - (SEE ALSO FACILITY WIDE CONDITIONS)	14
C. RECORDKEEPING.....	14
D. TESTING.....	15
E. REPORTING - (SEE FACILITY WIDE CONDITIONS)	16
V. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 200 (EXTRUSION & CALENDERING)	16
A. LIMITATIONS.....	16
B. MONITORING - (SEE ALSO FACILITY WIDE CONDITIONS)	18
C. RECORDKEEPING - (SEE ALSO FACILITY WIDE CONDITIONS).....	18
D. TESTING - (SEE ALSO FACILITY WIDE CONDITIONS).....	19
E. REPORTING	19
VI. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 300 (STOCK PREPARATION).....	20
A. LIMITATIONS.....	20
B. MONITORING - (SEE FACILITY WIDE CONDITIONS).....	20
C. RECORDKEEPING - (SEE ALSO FACILITY WIDE CONDITIONS).....	20
D. TESTING - (SEE ALSO FACILITY WIDE CONDITIONS).....	21
E. REPORTING - (SEE FACILITY WIDE CONDITIONS)	21
VII. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 400 (TIRE BUILDING)	21
A. LIMITATIONS.....	21
B. MONITORING - (SEE FACILITY WIDE CONDITIONS).....	21
C. RECORDKEEPING - (SEE ALSO FACILITY WIDE CONDITIONS).....	22
D. TESTING.....	22
E. REPORTING - (SEE FACILITY WIDE CONDITIONS)	22

VIII. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 500 (GREEN TIRE SPRAY & CURING)	22
A. LIMITATIONS.....	23
B. MONITORING - (SEE FACILITY WIDE CONDITIONS).....	24
C. RECORDKEEPING - (SEE ALSO FACILITY WIDE CONDITIONS).....	24
D. TESTING.....	25
E. REPORTING	25
IX. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 600 (TIRE UNIFORMITY OPTIMIZER & FINISHING).....	26
A. LIMITATIONS.....	26
B. MONITORING	27
C. RECORDKEEPING - (SEE ALSO FACILITY WIDE CONDITIONS).....	28
D. TESTING.....	29
E. REPORTING - (SEE FACILITY WIDE CONDITIONS)	29
X. PROCESS EQUIPMENT REQUIREMENTS – DIVISION 700 (CEMENT HOUSE) 29	
A. LIMITATIONS.....	29
B. MONITORING - (SEE FACILITY WIDE CONDITIONS).....	30
C. RECORDKEEPING - (SEE ALSO FACILITY WIDE CONDITIONS).....	30
D. TESTING.....	30
E. REPORTING - (SEE FACILITY WIDE CONDITIONS)	31
XI. FACILITY WIDE CONDITIONS	31
A. LIMITATIONS.....	31
B. MONITORING	32
C. RECORDKEEPING - (SEE ALSO SPECIFIC DIVISION REQUIREMENTS).....	34
D. TESTING.....	35
E. REPORTING	36
XII. FACILITY WIDE MACT CONDITIONS.....	37
A. LIMITATIONS.....	38
B. INITIAL COMPLIANCE REQUIREMENTS	39
C. CONTINUOUS COMPLIANCE REQUIREMENTS.....	39
D. NOTIFICATIONS, REPORTING, AND RECORDKEEPING	39
E. ADDITIONAL REQUIREMENTS (GENERAL PROVISIONS).....	40
XIII. INSIGNIFICANT EMISSION UNITS	40
XIV. COMPLIANCE PLAN.....	41
A. DESCRIPTION OF COMPLIANCE REQUIREMENTS - N.A.	41
B. COMPLIANCE SCHEDULE - N.A.	41
C. REPORTING REQUIREMENTS - N.A.	41
D. CERTIFIED PROGRESS REPORT - N.A.	41
XV. PERMIT SHIELD & INAPPLICABLE REQUIREMENTS	41

XVI. GENERAL CONDITIONS.....	42
A. FEDERAL ENFORCEABILITY	42
B. PERMIT EXPIRATION	42
C. RECORDKEEPING AND REPORTING	43
D. ANNUAL COMPLIANCE CERTIFICATION	44
E. PERMIT DEVIATION REPORTING.....	45
F. FAILURE/MALFUNCTION REPORTING.....	45
G. STARTUP, SHUTDOWN, AND MALFUNCTION	45
H. MALFUNCTION AS AN AFFIRMATIVE DEFENSE.....	46
I. FUGITIVE DUST EMISSION STANDARDS	47
J. SEVERABILITY	47
K. DUTY TO COMPLY.....	47
L. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE	48
M. PERMIT ACTION FOR CAUSE	48
N. PROPERTY RIGHTS	49
O. DUTY TO SUBMIT INFORMATION.....	49
P. DUTY TO PAY PERMIT FEES	49
Q. ALTERNATIVE OPERATING SCENARIOS.....	49
R. INSPECTION AND ENTRY REQUIREMENTS	49
S. REOPENING FOR CAUSE	50
T. PERMIT AVAILABILITY	50
U. TRANSFER OF PERMITS	51
V. PERMIT REVOCATION OR TERMINATION FOR CAUSE	51
W. DUTY TO SUPPLEMENT OR CORRECT APPLICATION	51
X. STRATOSPHERIC OZONE PROTECTION.....	51
Y. ACCIDENTAL RELEASE PREVENTION	52
Z. CHANGES TO PERMITS FOR EMISSIONS TRADING	52
AA. EMISSIONS TRADING	52
XVII. STATE-ONLY ENFORCEABLE REQUIREMENTS.....	52

I. Facility Information

Permittee

Yokohama Tire Corporation
P. O. Box 3250
Manufacturing
Salem, Virginia 24153-0648

Responsible Official

Yasuhiro Mizumoto
Executive Vice President & Plant Manager

Facility

Yokohama Tire Corporation, Salem Plant
1500 Indiana Street
Salem, Virginia 24153-0648

Contact Person

Sanat N. Bhavsar
Director of Environment, Health & Safety
(540) 389-5426

Registration Number: 20123

AIRS Identification Number: 51-161-0026

Facility Description: SIC Code 3011 – Establishments primarily engaged in manufacturing pneumatic casings (rubber tires), inner tubes, and solid and cushion tires for all types of vehicles, airplanes, farm equipment and children's vehicles; tiring; camelback; and tire repair and retreading materials.

The facility receives raw materials at the plant. Raw materials are blended to make the black and white rubber used to make the tire components. Steel and cloth are coated with rubber to make belts. The tire parts are assembled to form the "green tires". The green tires are sprayed inside and outside with lubricants which allow the rubber to flow and keeps the tire from sticking to the molds. The sprayed green tires are then loaded into curing presses where they are heated under pressure. The curing process forms the tread on the tire and cures the rubber to form the completed tire. Sidewall buffing is required of whitewall tires, the black protective strip is removed from the whitewall tires and a blue protective coating is sprayed on to the white rubber. The tires then proceed to the tire uniformity optimizers where they are selectively ground to ensure proper force balance.

The Yokohama Salem plant currently produces radial passenger pneumatic tires and radial light truck pneumatic tires. The facility is permitted to produce 40,000 tires per day, and has a production limit of 14,600,000 tires per year. The facility also has a Facility wide VOC emissions cap of 210.0 tons per year.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity *	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
FB-B3		Cleaver Brooks DL-60-E	55.1x10 ⁶ btu/hr	--	--	--	8/6/1999 Permit as amended
FB-B4		ABCO Industries 90101	79.4x10 ⁶ btu/hr	--	--	--	8/6/1999 Permit as amended
FB-B5		ABCO Industries 90101	79.4x10 ⁶ btu/hr	--	--	--	8/6/1999 Permit as amended
Division 100 (Mixing & Storage)							
1-BM		Internal mixers # 1 to 7	1,667 tires/hr	Baghouse	--	TSP & PM ₁₀	8/6/1999 Permit as amended
Division 200 (Extrusion & Calendering)							
2-WMILL		Warm-up mills	1,667 tires/hr	--	--	--	8/6/1999 Permit as amended
2-EX		Extruders nos. 1 to 7	1,667 tires/hr	--	--	--	8/6/1999 Permit as amended
2-CAL		Calenders nos. 1 & 2	1,667 tires/hr	--	--	--	8/6/1999 Permit as amended
2-TEND		Treadend cementers nos. 1 to 3	1,667 tires/hr	Incinerator	FB-INC2	VOC	8/6/1999 Permit as amended
Division 300 (Stock Preparation)							
3-BDIP		Bead dip	300 tires/hr	Incinerator	FB-INC2	VOC	8/6/1999 Permit as amended
Division 400 (Tire Building)							
4-TB		Tire building machines # 1 to 125	1,667 tires/hr	--	--	--	8/6/1999 Permit as amended
Division 500 (Green Tire Spray & Curing)							
5-GTS		Green tire sprayers # 1 to 8	1,667 tires/hr	Incinerator	FB-INC2	VOC	8/6/1999 Permit as amended
5-CP		Curing presses # 1 to 206	1,667 tires/hr	--	--	--	8/6/1999 Permit as amended
Division 600 (Tire Uniformity Optimizers & Finishing)							
6-TUO		Tire uniformity optimizers #1 to 23	--	Baghouse	--	TSP & PM ₁₀	8/6/1999 Permit as amended
6-SWBF		Sidewall buffers # 1 to 14	--	Baghouse	--	TSP & PM ₁₀	8/6/1999 Permit as amended
Division 700 (Cement House)							
7-CH		Cement house	--	Incinerator	FB-INC2	VOC	8/6/1999 Permit as amended

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements

Yokohama is permitted for three boilers, FB-B3, FB-B4 and FB-B5. Boilers FB-B4 and FB-B5 are subject to 40 CFR Part 60 Subpart Dc. The following terms and conditions in this section of the permit, which apply to the FB-B4 and FB-B5, are from 40 CFR Part 60 Subpart Dc. A current copy of 40 CFR Part 60 Subpart Dc has been attached. As used in this section and applied to FB-B4 and FB-B5, all terms shall have the meaning as defined in 40 CFR 60.2 & 40 CFR 60.40c.

A. Limitations

1. Boilers FB-B4 and FB-B5 shall be constructed and operated in accordance with all applicable requirements listed in the most recent version of 40 CFR Part 60 - Standards of Performance for New Stationary Sources, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. (9 VAC 5-50-400, 9 VAC 5-80-110, 40 CFR 60.40c & Condition 73 of 8/6/1999 Permit as amended)
2. The approved fuels for boilers FB-B3, FB-B4* and FB-B5* are natural gas and distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396-78 "Standard Specification for Fuel Oils." A change in the fuels may require a permit to modify and operate. (9 VAC 5-80-10, 9 VAC 5-80-110, 40 CFR 60.42c(d)* & Condition 26 of 8/6/1999 Permit as amended)
3. The maximum sulfur content of the oil to be burned in the boilers FB-B3, FB-B4 and FB-B5 shall not exceed 0.2 percent by weight per shipment. (9 VAC 5-50-410, 9 VAC 5-80-110, 40 CFR 60.42c(d)* & Condition 29 of 8/6/1999 Permit as amended)
4. The boiler FB-B3 shall consume no more than 486.0×10^6 cubic feet of natural gas and 3,219,300 gallons of distillate oil per year, calculated monthly as the sum of each consecutive twelve (12) month period. (9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 27 of 8/6/1999 Permit as amended)
5. The boilers FB-B4 and FB-B5 combined, shall consume no more than 662.4×10^6 cubic feet of natural gas and 1,753,235 gallons of distillate oil per year, calculated monthly as the sum of each consecutive twelve (12) month period. (9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 28 of 8/6/1999 Permit as amended)
6. Emissions from the operation of FB-B3 shall not exceed the limits specified below:

Total Suspended	0.78 lbs/hr	3.22 tons/yr
Particulate		

PM-10	0.39 lbs/hr	1.61 tons/yr
Sulfur Dioxide	11.1 lbs/hr	45.7 tons/yr
Nitrogen Oxides (as NO ₂)	7.78 lbs/hr	32.2 tons/yr
Carbon Monoxide	1.95 lbs/hr	8.05 tons/yr
Volatile Organic Compounds	0.09 lbs/hr	0.39 tons/yr

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 34 of 8/6/1999 Permit as amended)

7. Individual emissions from the operation of FB-B4 or FB-B5 shall not exceed the hourly limits specified below. The combined emissions from the two boilers shall not exceed the annual emissions limits specified below:

Total Suspended Particulate	1.17 lbs/hr	1.75 tons/yr
PM-10	0.58 lbs/hr	0.88 tons/yr
Sulfur Dioxide	16.6 lbs/hr	24.9 tons/yr
Nitrogen Oxides (as NO ₂)	11.9 lbs/hr	17.9 tons/yr
Carbon Monoxide	13.0 lbs/hr	19.5 tons/yr
Volatile Organic Compounds	0.12 lbs/hr	0.18tons/yr

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110, 40 CFR 60.43c(c). 40 CFR 60.43c(d) & Condition 35 of 8/6/1999 Permit as amended)

8. The exhaust stack for boiler FB-B3 shall be at least 20 meters above ground level.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 32 of 8/6/1999 Permit as amended)
9. The exhaust stacks for boilers FB-B4 and FB-B5 shall be at least 25 meters above ground level.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 33 of 8/6/1999 Permit as amended)

10. Visible Emissions from each boiler stack shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity. This condition applies at all times except during periods of startup, shutdown, and malfunction.

(9 VAC 5-50-20, 9 VAC 5-50-80, 9 VAC 5-50-260, 9 VAC 5-50-290, 9 VAC 5-80-110, 40 CFR 60.43c(c). 40 CFR 60.43c(d) & Condition 53 of 8/6/1999 Permit as amended)

11. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at a minimum.

(9 VAC 5-80-110 & Condition 6 of 8/6/1999 Permit as amended)

B. Monitoring

1. Operation & Maintenance Procedures - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to the boilers and related air pollution control equipment which affect such emissions:
 - a. Have available written operating procedures and a maintenance schedule for the boilers. These procedures shall be based on the manufacturer's recommendations, at a minimum, if such recommendations exist.
 - b. Train operators in the proper operation of the boilers and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request. (9 VAC 5-80-110, 9 VAC 5-80-110 F & K, 9 VAC 5-40-20E, 9 VAC 5-50-20 E & Condition 6 of 8/6/1999 Permit as amended)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
 - a. The name of the fuel supplier,
 - b. The date on which the oil was received,
 - c. The volume of distillate oil delivered in the shipment,

- d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and
- e. The sulfur content of the oil.

(9 VAC 5-50-410, 9 VAC 5-170-160, 9 VAC 5-80-110, 40 CFR 60.48c(f)(1) & Condition 29 of 8/6/1999 Permit as amended)

- 2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:
 - a. The monthly and annual throughput of natural gas (in million cubic feet) and the daily and annual throughput of distillate oil (in 1000 gallons) for each boiler. The annual throughput shall be calculated monthly as the sum of each consecutive twelve (12) month period.
 - b. All fuel supplier certifications.
 - c. The sulfur content of the oil burned in the boilers.
 - d. Boiler maintenance and operator training.
 - e. Initial performance test results and any additional testing conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-40-50, 9 VAC 5-50-50, 9 VAC 5-80-110,, 40 CFR 60.48c & Condition 6 & 82 of 8/6/1999 Permit as amended)

D. Testing

- 1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110, 40 CFR 60.8(e) & Condition 81 of 8/6/1999 Permit as amended)
- 2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.
(9 VAC 5-80-110)

3. **Stack Test** - Initial performance tests shall be conducted for NO_x from FB-B5 to determine compliance with the emission limits contained in Condition III.A.7. The tests shall be performed, and demonstrate compliance within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests are to be arranged with the Director, West Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Four copies of the test results shall be submitted to the Director, West Central Regional Office, within 45 days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-50-30, 9 VAC 5-80-10 J, 9 VAC 5-80-110 & Condition 57 & 60 of 8/6/1999 Permit as amended)

4. **Visible Emissions Evaluation** - Concurrently with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall also be conducted by the permittee on FB-B5. The details of the tests are to be arranged with the Director, West Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed, and demonstrate compliance within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. Should conditions prevent concurrent opacity observations, the Director, West Central Regional Office, shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. Four copies of the test result shall be submitted to the Director, West Central Regional Office, within 45 days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-50-30, 9 VAC 5-80-10, 9 VAC 5-80-110, 40 CFR 60.11(e)(1) & Conditions 57 & 60 of 8/6/1999 Permit as amended)

E. Reporting

1. The permittee shall submit all fuel quality reports to the Director, West Central Regional Office, within 30 days after the end of each calendar quarter. The 40 CFR Part 60 Subpart Dc fuel oil reports shall be submitted to EPA as well as to DEQ. If no shipments of distillate oil were received during the calendar quarter, the quarterly report shall consist of the dates included in the calendar quarter and a statement that no oil was received during the calendar quarter. If distillate oil was received during the calendar quarter, the reports shall include:
 - a. The dates included in the calendar quarter;
 - b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the calendar quarter or a quarterly summary from each fuel supplier that

includes the information specified in Condition C.1 above, for each shipment of distillate oil; and,

- c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

(9 VAC 5-80-10, 9 VAC 5-50-50, 9 VAC 5-50-410, 40 CFR 60.48c, 9 VAC 5-80-110 & Condition 30 of 8/6/1999 Permit as amended)

2. For boiler FB-B5, the permittee shall furnish written notification to the Department, (Director, West Central Regional Office) and EPA of:
 - a. the actual date on which construction of the boiler commenced within 10 days after such date. The notification shall include:
 - (1) The design heat input capacity of the boiler and identification of fuels to be combusted.
 - (2) The annual capacity factor at which Yokohama Tire Corporation anticipates operating the boiler based on all fuels fired and based on each individual fuel fired.
 - (3) Notification that an emerging technology will not be used for controlling SO₂ emissions.
 - b. the anticipated start-up date of the boiler postmarked not more than 60 days nor less than 30 days prior to such date,
 - c. the actual start-up date of the boiler within 10 days after such date, and
 - d. the anticipated date of the performance tests of the boiler postmarked at least 30 days prior to such date.

Copies of items a., c. and d. above shall also be sent to EPA. Notifications shall be sent to the following addresses:

U.S. EPA Region III
Air Protection Division (3AP00)
ATTN: 40 CFR 60 Subpart Dc Coordinator
1650 Arch Street
Philadelphia, PA 19103-2029

Department of Environmental Quality
Director, West Central Regional Office
ATTN: Air Compliance Manager – WCRO
3019 Peters Creek Road
Roanoke, Virginia 24019

(9 VAC 5-50-50, 9 VAC 5-50-400, 40 CFR 60.7(a), 40 CFR 60.48c & Condition 78 & 79 of 8/6/1999 Permit as amended)

IV. Process Equipment Requirements – Division 100 (Mixing & Storage)

A. Limitations

1. Particulate emissions from the Internal mixers shall be controlled by baghouses. The baghouses shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 4 of 8/6/1999 Permit as amended)
2. Visible emissions from all baghouse exhaust stacks shall not exceed 5% opacity.
(9 VAC 5-50-20, 9 VAC 5-50-80, 9 VAC 5-50-260, 9 VAC 5-80-110, 9 VAC 5-50-290 & Condition 55 of 8/6/1999 Permit as amended)
3. Total emissions from the operation of the Internal mixers nos. 1 through 7 shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor. Annual emissions limits are based on an average emission factor):

Total Suspended Particulate	3.01 lbs/hr	13.15 tons/yr
PM-10	1.55 lbs/hr	6.80 tons/yr
Volatile Organic Compounds	13.67 lbs/hr	14.30 tons/yr

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 37 of 8/6/1999 Permit as amended)

4. Total emissions from the baghouses controlling the Internal mixers nos. 1 through 7 and the milling operations shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor. Annual emissions limits are based on an average emission factor):

Total Suspended Particulate	0.84 lbs/hr	3.68 tons/yr
PM-10	0.51 lbs/hr	2.22 tons/yr

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 38 of 8/6/1999 Permit as amended)

B. Monitoring - (See also Facility Wide Conditions)

1. Each baghouse shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. The permittee shall check and record the differential pressure drop across the fabric filter at least once per day.
(9 VAC 5-80-10 H, 9 VAC 5-50-260, 9 VAC 5-80-110 & Conditions 4 & 13 of 8/6/1999 Permit as amended)
2. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
 - a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. Baghouse maintenance records shall include diagrams showing specific locations of media which have failed since the last overall replacement of the filter media.
 - b. Develop an inspection schedule to insure the operational integrity of the air pollution control equipment and maintain records of inspection results. The inspection schedule shall include weekly visual inspections of the exterior of the baghouses and associated duct work for leaks.
 - c. Have available written operating procedures for the air pollution control equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
 - d. Train operators in the proper operation of all air pollution control equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.
 - e. Maintain an inventory of spare parts that are needed to maintain the air pollution control equipment in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, 9 VAC 5-80-110 F & K, 9 VAC 5-40-20E, 9 VAC 5-50-20E & Conditions 13 & 14 of 8/6/1999 Permit as amended)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such

records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly and annual production of black and white rubber. Annual production shall be calculated monthly as the sum of each consecutive twelve (12) month period.
2. Records of training for air pollution control device operators.
3. Inspection and maintenance records of air pollution control devices.
4. Material Safety Data Sheets (MSDS)/ formulation data on all VOC products used in the mixers, including coupling agents.
5. Daily pressure drops for the fabric filters.
6. Initial performance test results and any additional testing conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 & Conditions 22, 23 & 82 of 8/6/1999 Permit as amended)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)

2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.
(9 VAC 5-80-110)

3. **Stack Test** - Initial performance tests shall be conducted for PM₁₀ and Total Suspended Particulate from the baghouses controlling the Internal Mixers to determine compliance with the emission limits contained in Condition IV.A.4. of this section. The tests shall be performed, and demonstrate compliance within 60 days after achieving the maximum production rate for Phase III and again for Phase IV but in no event later than 180 days after start-up of Phase III and Phase IV respectively. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests are to be arranged with the Director, West Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Four copies of the test results shall be submitted to the Director, West

Central Regional Office, within 45 days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-50-30, 9 VAC 5-80-10 J & Conditions 56 & 59 of 8/6/1999 Permit as amended)

4. Visible Emissions Evaluation - Concurrently with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall also be conducted by the permittee on the baghouses controlling the Internal Mixers. The details of the tests are to be arranged with the Director, West Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed, and demonstrate compliance within 60 days after achieving the maximum production for Phase III and again for Phase IV but in no event later than 180 days after start-up of Phase III and Phase IV respectively. Should conditions prevent concurrent opacity observations, the Director, West Central Regional Office, shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. Four copies of the test result shall be submitted to the Director, West Central Regional Office, within 45 days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-50-30, 9 VAC 5-80-10 J, 9 VAC 5-80-110 & Conditions 56 & 59 of 8/6/1999 Permit as amended)

E. Reporting - (See Facility Wide Conditions)

V. Process Equipment Requirements – Division 200 (Extrusion & Calendering)

The following terms and conditions in this section of the permit, which apply to the tread end cementers, are from 40 CFR Part 60 Subpart BBB. A current copy of 40 CFR Part 60 Subpart BBB has been attached. As used in this section and applied to tread end cementers, all terms shall have the meaning as defined in 40 CFR 60.2 & 40 CFR 60.541.

Under tread and sidewall cementing operations have been removed from the facility.

A. Limitations

1. All tread end cementers shall be constructed and operated in accordance with all applicable requirements listed in the most recent version of 40 CFR Part 60 - Standards of Performance for New Stationary Sources, Subpart BBB - Standards of Performance for the Rubber Tire Manufacturing Industry.

(9 VAC 5-50-400, 9 VAC 5-80-110 & Condition 72 of 8/6/1999 Permit as amended)

2. VOC emissions from tread end cementers shall be controlled by incineration. The incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 7 of 8/6/1999 Permit as amended)
3. The tread end cementing operations shall consume no more than 15,872 gallons of cement per month.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 16 of 8/6/1999 Permit as amended)
4. The calender operations shall process no more than 5,190,000 pounds of rubber per month, and no more than 63,145,000 pounds of rubber per year. Annual production shall be calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 22 of 8/6/1999 Permit as amended)
5. The warm-up mills shall process no more than 10,730,250 pounds of rubber per month, and no more than 130,551,375 pounds of rubber per year. Annual production shall be calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 23 of 8/6/1999 Permit as amended)
6. Emissions from the operation of the warm-up mills shall not exceed the limits specified below:

Volatile Organic

Compounds	10.62 lbs/hr	11.49 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 39 of 8/6/1999 Permit as amended)

7. Emissions from the operation of calenders 1 & 2 shall not exceed the limits specified below:

Volatile Organic

Compounds	3.05 lbs/hr	3.35 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 40 of 8/6/1999 Permit as amended)

8. Emissions from the operation of extruders 1 through 7 shall not exceed the limits specified below:

Volatile Organic

Compounds	2.12 lbs/hr	2.17 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 41 of 8/6/1999 Permit as amended)

9. Emissions from the operation of the tread end cementers shall not exceed the limits specified below:

Volatile Organic

Compounds 3.49 lbs/hr 15.28 tons/yr

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110, 40 CFR 60.542 & Condition 43 of 8/6/1999 Permit as amended)

B. Monitoring - (See also Facility Wide Conditions)

For each tread end cementing operation, Yokohama Tire Corporation shall use the procedure listed in 40 CFR Part 60, Subpart BBB, Section 60.543 to determine compliance with the emission limit.

(9 VAC 5-80-10, 9 VAC 5-50-410, 9 VAC 5-80-110, 40 CFR 60.543 & Condition 63 of 8/6/1999 Permit as amended)

C. Recordkeeping - (See also Facility Wide Conditions)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly and annual usage of tread end cement. Annual usage shall be calculated monthly as the sum of each consecutive twelve (12) month period.
2. Monthly and annual rubber processed from the calender operations. Annual usage shall be calculated monthly as the sum of each consecutive twelve (12) month period.
3. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used.
4. Records of training for air pollution control device operators.
5. Inspection and maintenance records of air pollution control devices.
6. Initial performance test results and any additional testing conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 & Conditions 22 & 82 of 8/6/1999 Permit as amended)

D. Testing - (See also Facility Wide Conditions)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)

2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.

(9 VAC 5-80-110)

E. Reporting

1. For the new or replacement tread end cementers, the permittee shall furnish written notification to the Department (Director, West Central Regional Office) of:

- a. The actual date on which construction of the expansion commenced within 30 days after such date.

- b. The anticipated start-up date of each tread end cementer postmarked not more than 60 days nor less than 30 days prior to such date.

- c. The actual start-up date of each cementer within 15 days after such date.

- d. The anticipated date of stack emission tests of the tread end cementer postmarked at least 30 days prior to such date.

Copies of written notification referenced in items a, c, and d above to be sent to:

U.S. EPA Region III
Air Protection Division (3AP00)
ATTN: 40 CFR 60 Subpart BBB Coordinator
1650 Arch Street
Philadelphia, PA 19103-2029

Department of Environmental Quality
Director, West Central Regional Office
ATTN: Air Compliance Manager – WCRO
3019 Peters Creek Road
Roanoke, Virginia 24019

(9 VAC 5-50-50, 40 CFR 60.546(a)(b)(c) & Condition 77 of 8/6/1999 Permit as amended)

VI. Process Equipment Requirements – Division 300 (Stock Preparation)

The following terms and conditions in this section of the permit, which apply to the bead dip operation, are from 40 CFR Part 60 Subpart BBB. A current copy of 40 CFR Part 60 Subpart BBB has been attached. As used in this section and applied to bead dip operation (bead cementing operation), all terms shall have the meaning as defined in 40 CFR 60.2 & 40 CFR 60.541.

A. Limitations

1. VOC emissions from the bead dip operation shall be controlled by incineration. The incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260 & Condition 9 of 8/6/1999 Permit as amended)
2. The bead dip operation shall process no more than 36,000 tires per month.
(9 VAC 5-80-10 H & Condition 15 of 8/6/1999 Permit as amended)
3. Emissions from the bead dip operation shall not exceed the limits specified below:

Volatile Organic

Compounds

0.31 lbs/hr

1.34 tons/yr

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110, 40 CFR 60.542(a) & Condition 42 of 8/6/1999 Permit as amended)

B. Monitoring - (See Facility Wide Conditions)

C. Recordkeeping - (See also Facility Wide Conditions)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly number of tires processed by the bead dip operation.
2. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used.
3. Records of training for air pollution control device operators.
4. Inspection and maintenance records of air pollution control devices.
5. Initial performance test results and any additional testing conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110, 40 CFR 60.545 & Conditions 22 & 82 of 8/6/1999 Permit as amended)

D. Testing - (See also Facility Wide Conditions)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)

2. If testing is conducted for compliance purposes in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.

(9 VAC 5-80-110 & 40 CFR 60.543)

E. Reporting - (See Facility Wide Conditions)

VII. Process Equipment Requirements – Division 400 (Tire Building)

A. Limitations

1. The tire building operation shall consume no more than 496 gallons of solvent per month.

(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 17 of 8/6/1999 Permit as amended)

2. Emissions from the tire building operation shall not exceed the limits specified below:

Volatile Organic

Compounds	2.29 lbs/hr	10.04 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 44 of 8/6/1999 Permit as amended)

B. Monitoring - (See Facility Wide Conditions)

C. Recordkeeping - (See also Facility Wide Conditions)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly solvent usage.
2. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 & Conditions 22 & 82 of 8/6/1999 Permit as amended)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)

2. If testing is conducted for compliance purposes in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.
(9 VAC 5-80-110)

E. Reporting - (See Facility Wide Conditions)

VIII. Process Equipment Requirements – Division 500 (Green Tire Spray & Curing)

The following terms and conditions in this section of the permit, which apply to the green tire sprays, are from 40 CFR Part 60 Subpart BBB. A current copy of 40 CFR Part 60 Subpart BBB has been attached. As used in this section and applied to green tire sprays, all terms shall have the meaning as defined in 40 CFR 60.2 & 40 CFR 60.541.

A. Limitations

1. All green tire sprays shall be constructed and operated in accordance with all applicable requirements listed in the most recent version of 40 CFR Part 60 - Standards of Performance for New Stationary Sources, Subpart BBB - Standards of Performance for the Rubber Tire Manufacturing Industry.
(9 VAC 5-50-400 & Condition 72 of 8/6/1999 Permit as amended)
2. VOC emissions from green tire sprays shall be controlled by incineration. The incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 7 of 8/6/1999 Permit as amended)
3. The inside green tire spray units shall process only sprays containing 12% or less, by weight, of VOC as sprayed.
(9 VAC 170-160, 9 VAC 5-80-110 & Condition 18 of 8/6/1999 Permit as amended)
4. The green tire spray units shall consume no more than 46,624 gallons of outside green tire spray per month.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 19 of 8/6/1999 Permit as amended)
5. The curing presses shall process no more than 20,158,350 pounds of rubber per month and no more than 245,259,766 pounds of rubber per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 24 of 8/6/1999 Permit as amended)
6. Visible emissions from the roof exhausts in the curing press area shall not exceed 5% opacity.
(9 VAC 5-50-20, 9 VAC 5-50-80, 9 VAC 5-50-260, 9 VAC 5-80-110, 9 VAC 5-50-290 & Condition 54 of 8/6/1999 Permit as amended)
7. Total emissions from the operation of the green tire sprays shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor, and annual emissions limits are based on an average emission factor:

Total Suspended Particulate	0.73 lbs/hr	2.30 tons/yr
PM-10	0.73 lbs/hr	2.30 tons/yr

Volatile Organic Compounds	20.08 lbs/hr	87.95 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260 & Condition 45 of 8/6/1999 Permit as amended)

8. Total emissions from the operation of the curing presses (lines A through J) shall not exceed the limits specified below (Hourly VOC emissions limits are based on the maximum expected hourly emission factor, and annual VOC emissions limits are based on an average emission factor:

Total Suspended Particulate	23.09 lbs/hr	78.61 tons/yr
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PM-10	19.82 lbs/hr	64.34 tons/yr
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Volatile Organic Compounds	10.15 lbs/hr	29.13 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260 & Condition 46 of 8/6/1999 Permit as amended)

9. The Yokohama Tire Corporation shall continue research and development for eliminating VOC's from the outside spray for the green tires. Yokohama Tire Corporation shall update the Department on the progress of this research at least once per year and shall implement the new technology when it is technologically and economically feasible to do so. This change may require a permit.

(9 VAC 5-50-260, 9 VAC 5-170-80 E, 9 VAC 5-170-160, 9 VAC 5-80-110 & Condition 74 of 8/6/1999 Permit as amended)

B. Monitoring - (See Facility Wide Conditions)

C. Recordkeeping - (See also Facility Wide Conditions)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used.

2. Monthly consumption of outside green tire spray.
3. Monthly and annual pounds of rubber processed by the curing presses.
4. Records of training for air pollution control device operators.
5. Inspection and maintenance records of air pollution control devices.
6. Initial performance test results and any additional testing conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 & Conditions 82 of 8/6/1999 Permit as amended)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)
2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.
(9 VAC 5-80-110)

E. Reporting

1. For new or replacement green tire sprays, the permittee shall furnish written notification to EPA and DEQ of:
 - a. The actual date on which construction of the expansion commenced within 30 days after such date.
 - b. The anticipated start-up date of each green tire spray postmarked not more than 60 days nor less than 30 days prior to such date. The notification for each green tire spray unit shall include the following:
 - (1) A written report declaring for each green tire spraying operation the emission limit Yokohama Tire Corporation intends to comply with and the compliance method to be employed.
 - (2) A specification of the monthly schedule (each calendar month or a 4-4-5 week schedule) to be used in making compliance determinations.

- c. The actual start-up date of each green tire spray within 15 days after such date.
- d. The anticipated date of stack emission tests of the green tire spray postmarked at least 30 days prior to such date.

Copies of items a., c. and d. above shall also be sent to EPA. Notifications shall be sent to the following addresses:

U.S. EPA Region III
Air Protection Division (3AP00)
ATTN: 40 CFR 60 Subpart BBB Coordinator
1650 Arch Street
Philadelphia, PA 19103-2029

Department of Environmental Quality
Director, West Central Regional Office
ATTN: Air Compliance Manager – WCRO
3019 Peters Creek Road
Roanoke, Virginia 24019

(9 VAC 5-50-50, 9 VAC 5-50-400, 40 CFR 60.7(a), 40 CFR 60.546(a), 9 VAC 5-80-110 & Condition 77 of 8/6/1999 Permit as amended)

IX. Process Equipment Requirements – Division 600 (Tire Uniformity Optimizer & Finishing)

A. Limitations

1. Particulate emissions from the tire uniformity optimizers and sidewall buffers shall be controlled by baghouses, or equivalent. The baghouses shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260 & Condition 5 of 8/6/1999 Permit as amended)
2. The tire uniformity optimizers shall grind no more than 120,000 tires per month and no more than 1,460,000 tires per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 25 of 8/6/1999 Permit as amended)
3. Emissions from the operation of the sidewall buffers shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor, and annual emissions limits are based on an average emission factor):

Total Suspended Particulate	1.21 lbs/hr	5.32 tons/yr
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Volatile Organic Compounds	0.89 lbs/hr	3.89 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 47 of 8/6/1999 Permit as amended)

4. Emissions from the operation of the baghouses controlling the sidewall buffers shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor, and annual emissions limits are based on an average emission factor):

Total Suspended	0.60 lbs/hr	2.64 tons/yr
Particulate		

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 48 of 8/6/1999 Permit as amended)

5. Emissions from the operation of the tire uniformity optimizers shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor, and annual emissions limits are based on an average emission factor):

Total Suspended	0.24 lbs/hr	1.06 tons/yr
Particulate		

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 49 of 8/6/1999 Permit as amended)

6. Emissions from the operation of the baghouses controlling the tire uniformity optimizers shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor, and annual emissions limits are based on an average emission factor):

Total Suspended	0.12 lbs/hr	0.53 tons/yr
Particulate		

PM-10	0.06 lbs/hr	0.26 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 50 of 8/6/1999 Permit as amended)

7. The label gluing operation shall be shutdown. Reactivation will require a permit.
(9 VAC 5-80-10 H, 9 VAC 5-80-110)

B. Monitoring

1. The baghouse shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper

working order at all times. The permittee shall check and record the differential pressure drop at least once per day.

(9 VAC 5-80-10 H and 9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 5 of 8/6/1999 Permit as amended)

2. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
 - a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
 - b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the air pollution control equipment and maintain records of inspection results.
 - c. Have available written operating procedures for the air pollution control equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
 - d. Train operators in the proper operation of all air pollution control equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.
 - e. Maintain an inventory of spare parts that are needed to maintain the air pollution control equipment in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

(9 VAC 5-80-110, 9 VAC 5-80-110 F & K, 9 VAC 5-40-20E, 9 VAC 5-50-20E & Conditions 70, 71, 86 & 87 of 8/6/1999 Permit as amended)

C. Recordkeeping - (See also Facility Wide Conditions)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly number of tires ground by the tire uniformity optimizers.
2. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used.

3. Records of training for air pollution control device operators.
4. Inspection and maintenance records of air pollution control devices.
5. Daily pressure drop readings for the baghouses.
6. Initial performance test results and any additional testing conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 & Conditions 82 of 8/6/1999 Permit as amended)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)
2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.
(9 VAC 5-80-110)

E. Reporting - (See Facility Wide Conditions)

X. Process Equipment Requirements – Division 700 (Cement House)

A. Limitations

1. VOC emissions from the cement house shall be controlled by incineration. The incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260 & Condition 8 of 8/6/1999 Permit as amended)
2. The solvent mixing operations shall consume no more than 7,688 gallons of clean-up and make-up solvent per month.
(9 VAC 5-80-10 H, 9 VAC 5-80-110 & Condition 21 of 8/6/1999 Permit as amended)

3. Emissions from the operation of the cement house shall not exceed the limits specified below:

Volatile Organic Compounds	1.54 lbs/hr	6.75 tons/yr
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Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 51 of 8/6/1999 Permit as amended)

B. Monitoring - (See Facility Wide Conditions)

C. Recordkeeping - (See also Facility Wide Conditions)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly consumption of clean-up and make-up solvent.
2. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used.
3. Records of training for air pollution control device operators.
4. Inspection and maintenance records of air pollution control devices.
5. Documentation of any testing required to be conducted to determine compliance.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 & Conditions 82 of 8/6/1999 Permit as amended)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 & Condition 81 of 8/6/1999 Permit as amended)
2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.
(9 VAC 5-80-110)

E. Reporting - (See Facility Wide Conditions)**XI. Facility Wide Conditions****A. Limitations**

1. The annual production of tires shall not exceed 14,600,000 tires, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-10 & Condition 68 of 8/6/1999 Permit as amended)
2. VOC emissions from the operation of the facility shall not exceed 210.0 tons per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-10 H, 9 VAC 5-50-260, 9 VAC 5-170-160, 9 VAC 5-80-1700, 9 VAC 5-80-110 & Condition 36 of 8/6/1999 Permit as amended)
3. Visible emissions from any baghouse exhaust stacks shall not exceed 5% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity.
(9 VAC 5-50-20, 9 VAC 5-50-80, 9 VAC 5-50-260, 9 VAC 5-80-110, 9 VAC 5-50-290 & Condition 55 of 8/6/1999 Permit as amended)
4. The nominal operating temperature for all incinerators shall be at least 1500 °F, -50 °F.
(9 VAC 5-50-50 & Condition 11 of 8/6/1999 Permit as amended)
5. All captured VOC emissions from tread end cementing, outside green tire spray, bead dip and the cement house shall be ducted to an incinerator which is operated on a continuous basis. The incinerator shall have a destruction efficiency of at least 95.0 percent and an overall reduction efficiency of at least 88.2 percent shall be achieved, as determined by 40 CFR Part 60, Subpart BBB, Section 60.543.
(9 VAC 5-50-260, 9 VAC 5-50-400 & Condition 65 of 8/6/1999 Permit as amended)
6. Combined emissions from the operation of the incinerator controlling the cementers, green tire sprays, bead dipping operation, and cement house shall not exceed the limits specified below (Hourly particulate emissions limits are based on the maximum expected hourly emission factor, and annual emissions limits are based on an average emission factor):

Total Suspended Particulate	5.43 lbs/hr	23.79 tons/yr
PM-10	5.43 lbs/hr	23.79 tons/yr
Nitrogen Oxides (as NO ₂)	0.46 lbs/hr	2.03 tons/yr

Volatile Organic 23.48 lbs/hr 102.9 tons/yr
Compounds

Annual emissions shall be determined monthly, as the sum of each consecutive twelve (12) month period.

(9 VAC 5-50-260, 9 VAC 5-80-110 & Condition 52 of 8/6/1999 Permit as amended)

7. Based on the results of the stack testing required by conditions of this permit, Yokohama Tire Corporation shall demonstrate to the satisfaction of the DEQ that the emission limits in this permit are not exceeded. If the stack testing fails to show compliance with the permitted emission levels, Yokohama Tire Corporation shall reduce production to a level at which the emission limits are not exceeded. Reduction of emission levels does not relieve Yokohama tire corporation from any enforcement action for non-compliance, including but not limited to penalties and injunctive relief.
(9 VAC 5-80-10, 9 VAC 5-170-160, 9 VAC 5-80-110 & Condition 64 of 8/6/1999 Permit as amended)

B. Monitoring

1. Yokohama Tire Corporation shall install, calibrate, maintain, and operate according to manufacturer's specification, temperature monitoring devices equipped with a continuous recorder for the temperature of the gas stream in the combustion zone of the incinerators. The temperature monitoring devices shall have an accuracy of 1 percent of the temperature being measured.
(9 VAC 5-50-50, 9 VAC 5-50-400, 40 CFR 60.542 & Condition 10 of 8/6/1999 Permit as amended)
2. The incinerators shall be equipped with indicators of the current supplied to the fan motor.
(9 VAC 5-50-50 & Condition 12 of 8/6/1999 Permit as amended)
3. The ductwork and baghouses shall be inspected from the outside each week for leaks. Pressure drop on the baghouses shall be monitored and recorded daily. Any necessary maintenance shall be done in a timely fashion.
(9 VAC 5-50-20 E & Condition 13 of 8/6/1999 Permit as amended)
4. Each emissions unit with a visible emissions requirement in this permit shall be observed visually at least once each calendar week in which the emissions unit operates. The visual observations shall be conducted using 40 CFR 60 Appendix A Method 22 techniques (condensed water vapor/steam is not a visible emission) for at least a brief time to only identify the presence of visible emissions. Each emissions unit in the Method 22 technique observation having visible emissions shall be evaluated by conducting a 40 CFR 60 Appendix A Method 9 visible emissions evaluation (VEE) for at least six (6) minutes, unless corrective action is taken that achieves no visible emissions. 40 CFR 60 Appendix A Method 9 requires the

observer to have a Method 9 certification that is current at the time of the VEE. If any of these six (6) minute VEE averages exceed the unit's opacity limitation, a VEE shall be conducted on these emissions for at least 3 six minute periods (at least 18 minutes). All visible emission observations, VEE results, and corrective actions taken shall be recorded. If visible emissions observations conducted for a particular stack during twelve (12) consecutive weeks show no visible emissions, the permittee with DEQ concurrence, may reduce the monitoring frequency to once per month for that specific stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week.

(9 VAC 5-80-110E)

5. Yokohama Tire Corporation shall maintain continuous records of the temperature in the combustion zone of the incinerators and records of all 3-hour periods of operation for which the average temperature of the gas stream in the combustion zone was more than 28 °C (50 °F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerators that demonstrated compliance.

(9 VAC 5-80-10, 9 VAC 5-50-260, 9 VAC 5-50-400, 40 CFR 60.545 & Condition 66 of 8/6/1999 Permit as amended)

6. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
 - a. Develop and comply with a preventive maintenance plan, to be approved by DEQ, which includes a maintenance schedule. The permittee shall maintain records of all scheduled and non-scheduled maintenance.
 - b. Develop an inspection schedule to insure the operational integrity of the air pollution control equipment and maintain records of inspection results. The schedule shall include weekly inspections of the exterior of duct work and baghouses for leaks.
 - c. Have available written operating procedures for the air pollution control equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
 - d. Train operators in the proper operation of all air pollution control equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.
 - e. Maintain an inventory of spare parts that are needed to maintain the air pollution control equipment in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request. (9 VAC 5-80-110, 9 VAC 5-80-110 F & K, 9 VAC 5-40-20E, 9 VAC 5-50-20E & Conditions 70, 71, 86 & 87 of 8/6/1999 Permit as amended)

C. Recordkeeping - (See also Specific Division Requirements)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly and annual records of tire production. Annual production shall be calculated monthly as the sum of each consecutive twelve (12) month period,
2. Monthly throughput of Natural Gas and the daily throughput of distillate oil for each boiler,
3. The monthly throughput of natural gas for each incinerator,
4. MSDS or Certified Product Data Sheets and formulation data documenting VOC content for materials used,
5. All fuel supplier certifications,
6. Records of incinerator performance,
7. Daily pressure drop across the fabric filters,
8. Records of maintenance and weekly inspections of ductwork and baghouses, and any corrective actions taken,
9. Monthly records of bead dip production (tires per day)
10. Monthly and annual pounds of rubber processed by the calenders, warm-up mills and curing presses. Annual production shall be calculated monthly as the sum of each consecutive twelve (12) month period,
11. Monthly and annual number of tires ground by the tire uniformity optimizers. Annual number of tire ground shall be calculated monthly as the sum of each consecutive twelve (12) month period,
12. Monthly usage of bead dip, cements, green tire sprays, thinners, and tire building solvent,

13. The permittee shall retain records of maintenance to the cyclones, baghouses, incinerators, and ductwork. The records shall include diagrams which show the specific location of filter media which have failed since the last overall replacement of filter media.
14. Records of training for air pollution control device operators and maintenance personnel.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110, 40 CFR 60.545 & Condition 14 & 82 of 8/6/1999 Permit as amended)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30, 9 VAC 5-80-110, 40 CFR 60.543 & Condition 81 of 8/6/1999 Permit as amended)

2. If testing is conducted for compliance purposes, in addition to the monitoring specified in this permit, the permittee shall use standardized test methods and procedures approved by the DEQ.

(9 VAC 5-80-110 & 40 CFR 60.543)

3. Stack Test - Initial performance tests shall be conducted for PM₁₀ and Total VOC from the incinerator for each new tread end cementer and each new green tire spray unit to determine compliance with the emission limits and control efficiency requirements contained in Conditions V.A.9, VI.A.3, VIII.A.7, X.A.3, XI.A.5 and XI.A.6. The tests shall be performed and reported and demonstrate compliance within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. The details of the tests are to be arranged with the Director, West Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Four copies of the test results shall be submitted to the Director, West Central Regional Office, and one copy to EPA (VOC test only), within 45 days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-50-30, 9 VAC 5-80-10 J, 40 CFR 60.543 & Conditions 58 & 60 of 8/6/1999 Permit as amended)

4. Visible Emissions Evaluation - Concurrently with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix

- A, Method 9, shall also be conducted by the permittee on the incinerator. The details of the tests are to be arranged with the Director, West Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed, and reported and demonstrate compliance within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. Should conditions prevent concurrent opacity observations, the Director, West Central Regional Office shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. Four copies of the test result shall be submitted to the Director, West Central Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit. (9 VAC 5-50-80, 9 VAC 5-170-160, & 9 VAC 5-80-110)
5. Yokohama Tire Corporation shall repeat performance tests on the incinerator, cementing operations, and green tire spray operations when directed by the DEQ, EPA or when Yokohama Tire Corporation elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency for the tread end cementers or the most recent determination of control device efficiency, measurement of capture system retention time, or measurement of face velocity for the green tire sprays. Performance tests for new or modified sources shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30 of State Regulations and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. (9 VAC 5-50-30, 9 VAC 5-80-10 J, 40 CFR 60.543 & Condition 61 of 8/6/1999 Permit as amended)

E. Reporting

1. The following data shall be included in the report for each of the performance tests required by Conditions D.3 and D.5:
 - a. The emission control device efficiency (E), the capture system efficiency (F_c), the face velocity through each permanent opening in the capture system with the temporary openings closed, and the overall system emission reduction (R).
 - b. Yokohama Tire Corporation shall include in the initial compliance report a statement specifying, in detail, how each of the equipment design and performance specifications has been met for new or replacement green tire sprays. The initial compliance report also shall include the following data: The emission control device efficiency (E), the face velocity through each permanent enclosure opening with all temporary enclosure openings closed, the total area of all permanent enclosure openings, the total area of all temporary enclosure openings, the maximum solvent use rate (kg/hr), the type(s) of VOC used, the lower explosive limit (LEL) for each VOC used, and the length of time each component is enclosed after application of cement or spray material.

- c. The average combustion temperature measured at least every 15 minutes and averaged over the performance test period of incinerator destruction efficiency for each thermal incinerator.
(9 VAC 5-50-30, 9 VAC 5-60-30, 9 VAC 5-80-110 , 40 CFR 60.543 & Condition 62 of 8/6/1999 Permit as amended)
2. Yokohama Tire Corporation shall submit the weekly tire production rate and the monthly usage of bead dip, tread end cement, thinner, solvent used in tire building, inside green tire spray, and outside green tire spray. Yokohama shall submit a report of these numbers on a quarterly basis to the Director, West Central Regional Office. The report shall also include a list of each 3-hour period of operation for which the average temperature of the gas stream in the combustion zone of any of the thermal incinerators, as measured by the temperature monitoring device, is more than 28°C (50°F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance. The first report will be due within thirty days of the end of the first calendar quarter in which construction begins.
(9 VAC 5-80-10, 40 CFR 60.546 & Condition 67 of 8/6/1999 Permit as amended)
3. Quarterly reports on the progress of construction shall be submitted to the Department (Director, West Central Regional Office).
(9 VAC 5-50-50 & Condition 76 of 8/6/1999 Permit as amended)
4. For the remainder of the new or modified equipment included in the expansion, the permittee shall furnish written notification to the Department (Director, West Central Regional Office) of:
 - a. The actual date on which construction of the expansion commenced within 30 days after such date.
 - b. The anticipated start-up date of each expansion phase postmarked not more than 60 days nor less than 30 days prior to such date.
 - c. The actual start-up date of each phase of the expansion within 15 days after such date.
 - d. The anticipated date of stack emission tests postmarked at least 30 days prior to such date.
(9 VAC 5-50-50 & Condition 80 of 8/6/1999 Permit as amended)

XII. Facility Wide MACT Conditions

The facility shall be operated in accordance with all applicable requirements of 40 CFR Part 63 Subpart XXXX for Rubber Tire Manufacturing (including applicable General Provisions contained in 40 CFR Part 63 Subpart A). A current copy of 40 CFR Part 63 Subpart XXXX has

been attached. All terms used in conditions derived from 40 CFR 63 Subpart XXXX shall have the meaning as defined in 40 CFR 63.2, 40 CFR 63.5982 (b) (1), 40 CFR 63.5982 (b) (4), & 40 CFR 63.6015.

A. Limitations

1. The permittee shall comply with the emission limitations contained in this section no later than July 11, 2005.
(9 VAC 5-80-110 & 40 CFR 63.5983 (b))
2. As specified in 40 CFR 63.5984 & 40 CFR 63 Subpart XXXX, Table 1, the permittee shall meet one of the following emission limits:
 - a. Option 1 – HAP Constituent Option:
 - (1) Emissions of each HAP in 40 CFR Part 63 Subpart XXXX, Table 16 must not exceed 1,000 grams HAP per megagram (2 pounds per ton) of total cements and solvents used at the tire production affected source; **and**
 - (2) Emissions of each HAP not in 40 CFR Part 63 Subpart XXXX, Table 16 must not exceed 10,000 grams HAP per megagram (20 pounds per ton) of total cements and solvents used at the tire production affected source.
 - b. Option 2 – Production-based Option:

Emissions of HAP must not exceed 0.024 grams per megagram (0.00005 pounds per ton) of rubber used at the tire production affected source.

The permittee shall be in compliance with the emission limits at all times.
(9 VAC 5-80-110, 40 CFR 63.5990 (a), & 40 CFR 63 Subpart XXXX, Table 1)
3. The permittee shall meet the emission limits in Condition XII.A.2. using either of the following methods:
 - a. Purchase Alternative – Use only cements and solvents that, as purchased, contain no more HAP than allowed by the emission limits in Condition XII.A.2.a

- b. Monthly Average Alternative – Use cements and solvents in such a way that the monthly average HAP emissions do not exceed the emission limits in Condition XII.A.2.b.

In accordance with 40 CFR 63 Subpart XXXX, the permittee may elect to meet Condition XII.A.3.b with or without use of a control device. Should the permittee elect not to use a control device, the permit shall be amended.

(9 VAC 5-80-110, 40 CFR 63.5990 (a), & 40 CFR 63 Subpart XXXX, Table 1)

B. Initial Compliance Requirements

The permittee shall demonstrate compliance in accordance with 40 CFR 63.5994 & 40 CFR Subpart XXXX, Table 6. The permittee shall submit the notification of compliance status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6009.

(9 VAC 5-80-110, 40 CFR 63.5994, 40 CFR 63.5996, 40 CFR 63.6009, & 40 CFR 63 Subpart XXXX, Table 6)

C. Continuous Compliance Requirements

The permittee shall demonstrate continuous compliance in accordance with 40 CFR 63.6004 & 40 CFR Subpart XXXX, Table 10. Deviations from continuous compliance shall be reported as specified in 40 CFR Subpart XXXX, Table 15, and Condition XII.D.3 of this permit.

(9 VAC 5-80-110, 40 CFR 63.6004, & 40 CFR 63 Subpart XXXX, Table 10)

D. Notifications, Reporting, and Recordkeeping

1. As specified by 40 CFR 63.9(b)(2), the permittee shall submit an Initial Notification to the West Central Regional Office not later than November 6, 2002. A copy shall be sent to EPA at the following address:

U.S. EPA, Region III
Air Protection Division (3APOO)
ATTN: Tire Manufacturing NESHAP Coordinator
1650 Arch Street
Philadelphia, PA 19103-2029

(9 VAC 5-80-110 & 40 CFR 63.6009(b))

2. The permittee shall submit additional notifications as specified in 40 CFR 63.6009 & 40 CFR 63 Subpart XXXX, Table 6.

(9 VAC 5-80-110, 40 CFR 63.6009, & 40 CFR 63 Subpart XXXX, Table 6)

3. The permittee shall submit semiannual reports as specified in 40 CFR 63.6010 & 40 CFR 63 Subpart XXXX Table 15. Information required by these reports may be combined with the semiannual reports required by Condition XVI.C.3. of this permit. (9 VAC 5-80-110, 40 CFR 63.6010, & 40 CFR 63 Subpart XXXX, Table 15)
4. The permittee shall maintain records as specified in 40 CFR 63.6011, 40 CFR 63.6012, & 40 CFR 63 Subpart XXXX, Table 9. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five years. (9 VAC 5-50-50, 9 VAC 5-80-110, 40 CFR 63.6011, 40 CFR 63.6012, & 40 CFR 63 Subpart XXXX, Table 9)

E. Additional Requirements (General Provisions)

The permittee shall comply with applicable General Provisions pursuant to 40 CFR Part 63 Subpart A, including but not limited to those provisions identified as applicable in 40 CFR 63 Subpart XXXX, Table 17.

(9 VAC 5-80-110, 40 CFR 63 Subpart A, & 40 CFR 63 Subpart XXXX, Table 17)

XIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
	carbon black unloading	(9 VAC 5-80-720 B)	TSP, PM ₁₀	
	oil & cement unloading	(9 VAC 5-80-720 B)	VOC	
	Carbon black storage silos (6)	(9VAC 5-80-720 B)	TSP, PM ₁₀	
	Testing laboratories (2)	(9VAC 5-80-720 A)	VOC	
	Parts cleaners	(9VAC 5-80-720 B)	VOC	
	Bead tippers, Bead Winders, Steelastic Machines, Stock Prep	(9VAC 5-80-720 B)	N.A.	
	Tire repair	(9VAC 5-80-720 B)	TSP, PM ₁₀	
	Waste oil tank	(9VAC 5-80-720 B)	VOC	
	Napthenic oil tank	(9VAC 5-80-720 B)	VOC	
	High aromatic hydrocarbon tank	(9VAC 5-80-720 B)	VOC	
	Paraphenylene Diamines tank	(9VAC 5-80-720 B)	VOC	
	No. 2 fuel oil tank	(9VAC 5-80-720 B)	VOC	
	Napthenic oil tank	(9VAC 5-80-720 B)	VOC	
	High aromatic hydrocarbon tank	(9VAC 5-80-720 B)	VOC	
	No. 2 fuel oil tank	(9VAC 5-80-720 B)	VOC	
	No. 2 fuel oil tank	(9VAC 5-80-720 B)	VOC	
	Rubber solvent tank	(9VAC 5-80-720 B)	VOC	
	Compound batch Preparation area: Compound Syntons,	(9VAC 5-80-720 B)	TSP, PM ₁₀	

	Mixers 1,3,5; multi-point weigh station; compound mixing area #1; Compound mixing area #2 & #3			
	Mold cleaning areas Nos. 1 & 2	(9VAC 5-80-720 B)	TSP, PM ₁₀	
	Batch-off lines	(9VAC 5-80-720 B)	VOC, TSP, PM ₁₀	
	Trimming operations	(9VAC 5-80-720 B)	TSP, PM ₁₀	
	Gas/electric welding	(9VAC 5-80-720 A)	VOC, TSP, PM ₁₀	
	Cutting/brazing units	(9VAC 5-80-720 A)	VOC, TSP, PM ₁₀	
	Inks	(9VAC 5-80-720 B)	VOC	

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XIV. Compliance Plan

A. Description of Compliance Requirements - N.A.

B. Compliance Schedule - N.A.

C. Reporting Requirements - N.A.

D. Certified Progress Report - N.A.

XV. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
None Identified		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XVI. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless a timely and complete renewal application consistent, with 9 VAC 5-80-80, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C & F, 9 VAC 5-80-110 D & 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
 - a. The date, place as defined in the permit, and time of sampling or measurements.
 - b. The date(s) analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses.
 - f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G. (Note that much of the recordkeeping required by this permit also serves as required periodic monitoring to determine emissions compliance and therefore needs to be addressed in the periodic reports.) The details of the reports are to be arranged with the Director, West Central Regional Office. The reports shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
- b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

- (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”
- d. The report shall be sent to the following address:

VA DEQ
Director, West Central Regional Office
ATTN: Air Compliance Manager
3019 Peters Creek Road
Roanoke, VA 24019

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and to DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

This annual compliance certification shall be sent to the following addresses:

VA DEQ
Director, West Central Regional Office
ATTN: Air Compliance Manager
3019 Peters Creek Road
Roanoke, VA 24019

U. S. Environmental Protection Agency, Region III
Clean Air Act Title V Compliance Certification (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, West Central Regional Office, within four (4) daytime business hours of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next quarterly or semi-annual compliance monitoring report required by this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

If, for any reason, the affected facilities or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the Director, West Central Regional Office, within four (4) daytime business hours of the occurrence. In addition, the owner shall provide a written statement, within 14 days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shutdown. The opacity limits in this permit apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in this permit.

(9 VAC 5-20-180 C & 9 VAC 5-80-250)

G. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air

pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20, 9 VAC 5-40-20)

H. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
 - a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
 - b. The permitted facility was at the time being properly operated.
 - c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in the permit.
 - d. The permittee notified the board of the malfunction within two working days following the time when the emissions limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, telegraph, or any other method that allows the permittee to comply with the deadline. The notice fulfills the requirement of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.
3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

I. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;
4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

J. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

K. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

(9 VAC 5-80-110 G.2)

L. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(9 VAC 5-80-110 G.3)

M. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(9 VAC 5-80-110 G.4)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:
 - a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is potential of, a resulting emissions increase;
 - b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;
 - c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emissions cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;
 - d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;
 - e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;
 - f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);
 - g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.
- (9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

N. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

O. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)
2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

P. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

Q. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

R. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

S. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

T. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

U. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)
2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)
3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XVII.State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

- None Identified

(9 VAC 5-80-110 N and 9 VAC 5-80-300)